

What is claimed is:

1. A method for purification of acrylic acid, which comprises the
step of distilling a crude acrylic acid containing furfural and acrolein as
5 impurities which is charged with an aldehyde treatment chemical,
wherein the concentration ratio of furfural to acrolein by weight in said
crude acrylic acid is adjusted so as to satisfy the following equation:

$$(\text{furfural concentration by weight})/(\text{acrolein concentration by weight}) \leq 100.$$

10 2. A method according to claim 1, wherein the concentration ratio
of furfural to acrolein by weight in said crude acrylic acid is adjusted so as
to satisfy the following equation:

$$2 \leq (\text{furfural concentration by weight})/(\text{acrolein concentration by weight}) \leq 30.$$

15 3. A method according to claim 1, wherein the amount of said
aldehyde treatment chemical is not more than 8.0 mole per mole of
furfural existing in said crude acrylic acid.

20 4. A method according to claim 2, wherein the amount of said
aldehyde treatment chemical is not more than 8.0 mole per mole of
furfural existing in said crude acrylic acid.

25 5. A method according to claim 1, wherein a hydrazine
compound is used as said aldehyde treatment chemical.

6. A method according to claim 2, wherein a hydrazine
compound is used as said aldehyde treatment chemical.

7. A method according to claim 3, wherein a hydrazine compound is used as said aldehyde treatment chemical.

5 8. A method according to claim 4, wherein a hydrazine compound is used as said aldehyde treatment chemical.

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